

EUROPEAN PATENT OFFICE

98P1559

Patent Abstracts of Japan

PUBLICATION NUMBER : 58112269
PUBLICATION DATE : 04-07-83

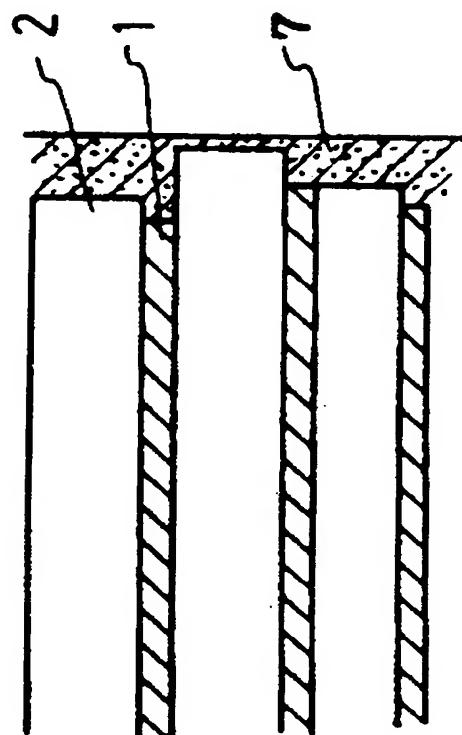
APPLICATION DATE : 26-12-81
APPLICATION NUMBER : 56214324

APPLICANT : TOSHIBA CORP;

INVENTOR : SHIROGAMI TAMOTSU;

INT.CL. : H01M 8/24 H01M 8/02

TITLE : FUEL CELL



ABSTRACT : PURPOSE: To make no changes in the characteristic to be caused even when a fuel cell is used under an operational condition, in which electrolyte has a high temperature and a high concentration, for a long time by sealing the peripheries and the corners of a stacked body by means of a three-layered adhesive consisting of the first and the third fluorine-rubber-system adhesive layers and the second silicone-rubber-system adhesive layer.

CONSTITUTION: After a fluorine-rubber-system adhesive usually diluted in a solvent is applied to joined parts such as the corners and the peripheries of the stacked body, the adhesive coats are changed into rubber-like form by vaporizing the solvent at room temperature or under a heated condition. On the other hand, silicone rubber can be easily formed in a thick layer since it is not an adhesive dissolved into a solvent and it causes almost no voluminal shrinkage during the time when it is changed into rubber-like form. The thickness of the first and the third fluorine-rubber-system adhesive layers should be around 0.2~ 0.3mm, and the thickness of the second silicone-rubber-system adhesive layer should be around 1.5~2.0mm. The desired thickness of each of these layers can be easily achieved by applying the adhesive about two or three times.

COPYRIGHT: (C)1983,JPO&Japio